

01350100 SCHOHARIE RESERVOIR NEAR GRAND GORGE, NY

LOCATION.--Lat 42°21'21", long 74°26'42", Schoharie County, Hydrologic Unit 02020005, in Shandaken Tunnel intake house on Intake Road, 1.6 mi north of junction of Intake Road and State Highway 23, 2.5 mi upstream from Gilboa Dam, and 2.6 mi east of Grand Gorge.

DRAINAGE AREA.--315 mi².

PERIOD OF RECORD.--January 1973 to current year. Monthly contents only published as "at Gilboa" for September 1928 to December 1972.

REVISED RECORDS.--WDR NY-86-1: 1956 (maximum elevation). WDR NY-90-1: Drainage area.

GAGE.--Water-stage recorder. Supplementary nonrecording gage used for periods when reservoir elevation is below 1,065.00 ft. Prior to Nov. 2001, supplementary nonrecording gage used for periods when reservoir elevation was below 1,072.50 ft. Datum of gage is NGVD of 1929 (levels by Board of Water Supply, City of New York).

REMARKS.--Reservoir is formed by masonry and earth dam. Storage began July 24, 1926. Usable capacity 19,583 mil gal between minimum operating level, elevation, 1,050.00 ft, and crest of spillway, elevation, 1,130.00 ft. Dead storage below elevation 1,050.00 ft, 1,968 mil gal. Figures given herein represent usable contents. Reservoir impounds water except for periods of spilling, for diversion through Shandaken Tunnel into Esopus Creek to Ashokan Reservoir, for New York City water supply. Satellite gage-height telemeter at station.

COOPERATION.--Capacity table and once-daily nonrecording gage readings provided by Department of Environmental Protection, City of New York.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 1,136.68 ft, Jan. 19, 1996, contents, 22,235 mil gal; minimum observed (after initial filling), 1,062.00 ft, Aug. 20, 1970, contents, 1,520 mil gal.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,133.71 ft, Sept. 18, contents, 21,024 mil gal; minimum elevation, 1,113.87 ft, July 23, contents, 14,149 mil gal.

Capacity table (elevation, in feet, and usable contents in million gallons)

1,063.0	1,670	1,120.0	16,100
1,080.0	4,970	1,133.0	20,700

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,130.49	1,130.63	1,130.55	1,130.40	1,130.10	1,129.10	1,130.58	1,130.38	1,130.28	1,123.65	1,120.80	1,130.09
2	1,130.44	1,130.57	1,130.48	1,130.37	1,130.08	1,129.35	1,131.07	1,130.34	1,130.29	1,123.28	1,121.26	1,129.99
3	1,130.34	1,130.52	1,130.42	1,130.40	1,130.07	1,130.33	1,130.65	1,130.41	1,130.28	1,122.88	1,121.55	1,129.82
4	1,130.28	1,130.47	1,130.40	1,130.48	1,130.08	1,130.42	1,130.52	1,130.39	1,130.15	1,122.49	1,121.72	1,129.63
5	1,130.37	1,130.45	1,130.38	1,130.49	1,130.06	1,130.48	1,130.43	1,130.36	1,129.90	1,122.09	1,121.93	1,129.41
6	1,130.37	1,130.49	1,130.38	1,130.43	1,130.08	1,130.86	1,130.36	1,130.33	1,129.83	1,121.72	1,122.13	1,129.16
7	1,130.34	1,130.45	1,130.36	1,130.32	1,130.10	1,130.69	1,130.34	1,130.27	1,130.08	1,121.36	1,122.14	1,128.88
8	1,130.31	1,130.42	1,130.33	1,130.30	1,130.10	1,130.52	1,130.32	1,130.23	1,130.10	1,121.02	1,122.10	1,128.61
9	1,130.30	1,130.38	1,130.31	1,130.28	1,130.09	1,130.40	1,130.29	1,130.22	1,130.11	1,120.63	1,121.99	1,129.47
10	1,130.29	1,130.35	1,130.32	1,130.22	1,130.07	1,130.35	1,130.27	1,130.21	1,130.14	1,120.22	1,121.62	1,130.69
11	1,130.24	1,130.33	1,131.28	1,130.23	1,130.06	1,130.34	1,130.26	1,130.22	1,129.96	1,119.80	1,121.20	1,130.34
12	1,130.23	1,130.36	1,131.19	1,130.28	1,130.04	1,130.34	1,130.25	1,130.20	1,129.88	1,119.38	1,120.97	1,130.23
13	1,130.22	1,130.34	1,130.70	1,130.29	1,130.03	1,130.29	1,130.42	1,130.19	1,129.78	1,118.97	1,125.24	1,130.17
14	1,130.19	1,130.32	1,130.56	1,130.22	1,130.01	1,130.24	1,130.61	1,130.19	1,129.64	1,118.55	1,129.67	1,130.16
15	1,130.46	1,130.29	1,130.50	1,130.18	1,129.99	1,130.26	1,130.51	1,130.18	1,129.49	1,118.26	1,130.39	1,130.14
16	1,130.43	1,130.28	1,130.46	1,130.15	1,129.94	1,130.24	1,130.44	1,130.19	1,129.29	1,117.94	1,130.79	1,130.09
17	1,130.33	1,130.29	1,130.56	1,130.16	1,129.89	1,130.22	1,130.41	1,130.15	1,129.05	1,116.89	1,130.64	1,130.08
18	1,130.30	1,130.26	1,130.71	1,130.19	1,129.84	1,130.20	1,130.42	1,130.14	1,128.76	1,115.93	1,130.47	1,132.43
19	1,130.30	1,130.28	1,130.53	1,130.18	1,129.79	1,130.18	1,130.47	1,130.17	1,128.46	1,115.46	1,130.39	1,131.12
20	1,130.31	1,131.56	1,130.45	1,130.15	1,129.73	1,130.16	1,130.44	1,130.13	1,128.10	1,115.06	1,130.36	1,130.70
21	1,130.30	1,130.86	1,130.40	1,130.13	1,129.69	1,130.24	1,130.38	1,130.12	1,127.72	1,114.70	1,130.52	1,130.48
22	1,130.29	1,130.65	1,130.38	1,130.13	1,129.66	1,130.19	1,130.37	1,130.12	1,127.33	1,114.29	1,130.50	1,130.38
23	1,130.29	1,130.55	1,130.40	1,130.12	1,129.62	1,130.15	1,130.44	1,130.14	1,126.85	1,113.96	1,130.37	1,130.36
24	1,130.28	1,130.49	1,131.43	1,130.12	1,129.57	1,130.18	1,130.50	1,130.20	1,126.36	1,114.64	1,130.31	1,130.36
25	1,130.27	1,130.54	1,131.38	1,130.10	1,129.51	1,130.23	1,130.43	1,130.41	1,125.98	1,115.09	1,130.21	1,130.36
26	1,130.27	1,130.47	1,130.83	1,130.09	1,129.41	1,130.30	1,130.59	1,130.32	1,125.64	1,115.18	1,130.15	1,130.35
27	1,131.06	1,130.44	1,130.63	1,130.10	1,129.31	1,130.47	1,130.62	1,130.56	1,125.32	1,115.47	1,130.08	1,130.32
28	1,131.20	1,130.44	1,130.53	1,130.12	1,129.20	1,130.50	1,130.52	1,130.44	1,124.92	1,117.27	1,130.03	1,130.59
29	1,131.47	1,131.00	1,130.48	1,130.11	1,129.12	1,130.43	1,130.47	1,130.34	1,124.51	1,118.76	1,130.02	1,130.80
30	1,131.04	1,130.65	1,130.47	1,130.11	---	1,130.38	1,130.42	1,130.27	1,124.08	1,119.67	1,129.98	1,130.53
31	1,130.72	---	1,130.44	1,130.10	---	1,130.38	---	1,130.22	---	1,120.22	1,130.05	---
MEAN	1,130.44	1,130.50	1,130.59	1,130.22	1,129.84	1,130.27	1,130.46	1,130.26	1,128.41	1,118.54	1,126.76	1,130.19
MAX	1,131.47	1,131.56	1,131.43	1,130.49	1,130.10	1,130.86	1,131.07	1,130.56	1,130.29	1,123.65	1,130.79	1,132.43
MIN	1,130.19	1,130.26	1,130.31	1,130.09	1,129.12	1,129.10	1,130.25	1,130.12	1,124.08	1,113.96	1,120.80	1,128.61
†	19836	19812	19746	19626	19260	19746	19731	19672	17401	16252	19634	19785
††	+2.35	-1.24	-3.29	-5.99	-19.5	+24.3	-0.77	-2.91	-117	-57.4	+169	+7.79

CAL YR 2003 MEAN 1,129.80 MAX 1131.56 MIN 1121.52 †† +7.27
WTR YR 2004 MEAN 1,128.86 MAX 1132.43 MIN 1113.96 †† -0.02

† Contents, in million gallons, at 2400 hours on last day of month.

†† Change in contents, equivalent in cubic feet per second.

NOTE: Mean elevations for May 5-7 and June 24, computed based on readings at 0800 hours and on adjacent days.